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	AA	4,491,553	01/01/85	Yamada et al.			: '
	AB	5,847,016	12/08/98	Cope		1	. :
	AC	5,866,264	02/02/99	Zehner et al.	7		· ·
	Ą	2,188,396	01/30/40	Semon		\ <u>.</u>	\
	Æ	2,489,373	11/29/49	Gliman	•		
5	AF	2,519,442	08/22/50	DeLorme et al.			:
MAK	AG	2,935,763	05/10/60	Newman et al.			\. · · · ·
DOC!	АН	3,287,480	11/22/68	Wechsler et al.			
	Al	3,562,373	02/09/71	Logrippo			
	2	3,645,939	92/29/72	Gaylord		:	
	AK	3,864,201	02/04/75	Susuki et al.			; i .
	AL	3,867,493	02/18/75	Sęki	•		
1	ΑM	3,878,143	04/15/75	Baumann et al.		:	(.
	AN	3,879,505	04/22/75	Boutillier et al.			7
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	AO	3 801 574	08/03/89	Germany			×
	AP	2 365 017	04/14/78	France			X
	AQ	WO 90/08020	07/26/90	WIPO-PCT		: X	
TIMA	AR	2 036 148	06/25/80	Great Britain		Х	
MAK	AS	0 586 211	02/19/97	Europe :		. <b>X</b>	
<	AT	0 586 212	03/09/94	Europe		Х	
	ΑU	0 586 213	03/09/94	Europe		Х	
	AV	43 07 323	04/15/94	Germany			X
		OTHER REF	ERENCES (	Including Author, Title, Date, Pertinent	t Pages, e	rtc.)	
_	AW			ng, Machine Design; pp. 621-622, June 1			
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my	AY			Park and John J. Balatinecz, "Production orphology Relationship, ANTEC 96, pgs.			med PVC/Wood Fibre
	AZ	L. Matuana-Malanda, C. Composites, Journal of C	B. Park and Cellular Plas	J.J. Balatinecz, "Characterization of Micr ics, Volume 32 - September 1996, pgs. 4	ocellular F 149-469	oamed PV	/C/Cellulsic-Fibre
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T /	ВА	3,922,328	11/25/75	Johnson			·	
	88	3,943,079	03/09/76	Hamed.				
	ВС	3,954,555	05/04/76	Kole				
	BD	3,956,541	05/11/76	Pringle		-4		
	BE	4,012,348	03/15/77	Chelland et al.				
7	BF	4,016,232	04/05/77	Pringle				
	BG	4,016,233	04/05/77	Pringle				
	вн	4,018,722	04/19/77	Baker				
DAIL	BI	4,029,831	06/14/77	Daunhelmer			$\Delta$	
· ·	ΒÜ	4,045, <del>5</del> 03	98/30/77	Smith			· · · · ·	11.7 / 11.1
	BK	4,056,591	11/01/77	Goettler et al.		•		
	BL	4,071,479	01/31/78	Broyde et al.				
	BM	4,071,494	01/31/78	Gaylord	·			
	BN	4,097,648	06/27/78	Pringle		<u> </u>	<u></u>	
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	ВО	2 104 903	03/16/83	Great Britain		×		
	)BP	0 586 211	03/09/94	Europe		×		
	BQ	2 186 655	08/19/87	Great Britain		×		
	BR	2 171 953	09/10/86	Great Britain		×	·	·
TIKK	BS	2 270 311	12/05/75	France			· ·	×
1050	ВТ	2 365 019	04/14/78	France				X
	BU	2 445 885		France		<del>-</del>		. X
	BV	2 564 374	11/22/85	France				×
`		OTHER REF	RENCES	(including Author, Title, Date, Perline	nt Pages,	etc.)		,,,
· (	BW	"Paraloid® Additivies for Products," @1995 Rohm	PVC from I and Haas	Rohm and Haas," Product Update, "Para Company, Philadelphia, Pa.	iloid K400	All-Acrylic	Modifier	r for Cellular Vinyl
	вх		-	ex into sheet, profiles,* from Technology				
WYS	BY	John R. Patterson and Ja Volume XLV, Number 1,	mes L. So pages 1-8.	uder, "A More Efficient Processing Aid fo	or Foame	d Vinyl,* a r	eprint fr	om Res <i>in Rev</i> lew,
	BZ	"Rigid Vinyl Foam Applic	ations," Ro	hm and Haas.				
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	CA	4,102,106	07/25/78	Golder et al.				
	СВ	4,107,110	08/15/78	Lachowicz et al.		i		·
	cc	4,145,389	03/20/79	Smith .				
1	CD	4,157,415	06/05/79	Lindenberg		1.		
/	CE	4,168,251	09/18/79	Schinzel et al.				
. /	CF	4,178,411	12/11/79	Cole et al.				
	CG	4,181,764	01/01/80	Totten .	,			
nuxa	СН	4,187,352	02/05/80	Klobble			$\overline{}$	
100 25	CI	4,191,798	03/04/80	Schumacher et al.	· · ·		/	
. ,	a	4,203,876	05/20/80	Dereppe et al.		17 M	· ·	
	СК	4,228,116	10/14/80	Colombo et al.	1			
	a	4,239,679	12/16/80	Rolls et al.			•	
	СМ	4,241,133	12/23/80	Lund et al.	<u> </u>			
1	CN	4.244.903	01/13/81	Schnause	<u> </u>		-	
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	co	2 042 176	04/22/71	Germany		:		X
	CP	23 44 101	03/06/75	Germany				×
<u> </u>	CO	58-179242	10/20/83	Japan				×
	CR	60-82319	05/10/85	Japan				X
	cs	63-139946	06/11/88	Japan :		<u> </u>		X
Dead	СТ	2-3280512	02/02/90	Japan		<u> </u>		×
	CU	1 443 194	07/21/76	Germany		X		
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		OTHER REF	ERENCES (	Including Author, Title, Date, Pertinen	it Pages,	etc.)		·
	<b>二</b>	"SAFOAM® AP-40 Cher	nical Nuclea	ting and Blowing Agent," Reedy Internat	ional Corp	oration, Sp	ecification	on Sheet
	CW				·	:		
<del>                                     </del>		*Measuring Performance	Improveme	nts with SAFOAM® in Foam Extrusion A	Annlication	s " Ready i	nternati	onal Corporation
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may.	CY	Celogen Foaming Agen	ts, CELOGE	NO AZRV* Product Information from Un	iiroyai Che	emicai		
1	cż/			ng and Cell Morphology Relationships for and Science, Jul. 1997, vol. 37, No. 7, pp			ed PVC	Wood-Fiber
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	DA	4,248,743 ·	02/03/81	Goettler	· · · ·	7.7	
	DB	4,250,222	02/10/81	Mavel et al.	1		
\ \ \ \ .	DC	4,263,184	04/21/81	Leo et al.			
	DD	4,263,196	04/21/81	Schumacher et al.			
	DE	4,272,577	06/09/81	Lyng ··	1		
	DF	4,273,688	06/16/81	Porzel et al.			
240	DG	4,303,019	12/01/81	Haataja et al.		1	٠.
	DH	4,305,901	12/15/81	Prince et al.	•		
Way 1	DI	4,317,765	03/02/82	Gaylord			
	В	4,323,625	04/06/82	Coran et al.			1
	DK	4,376,144	03/08/83		<del>†                                      </del>		
	DL	4,382,758	05/10/83	Nopper et al.			
	DM	4,414,267	11/08/83	Coran et al.	<del>                                     </del>		
	DN	4,420,351	12/13/83	Lussi et al.	<del> </del>		
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FI		FG	4,058,580	11/15/77	Flanders			\	ļ.
FJ   4,277,428   07/07/81   Luck et at.     FK   4,281,039   07/28/81   Miura et al.     FL   4,426,470   01/17/84   Wessing et al.     FM   4,440,708   04/03/84   Hastaja et al.     FM   4,506,037   03/19/85   Suzuki et al.     FN   4,506,037   03/19/85   Suzuki et al.     FOREIGN PATENT DOCUMENTS     DOCUMENT   NUMBER   DATE   COUNTRY   TRANSLATION   NO     FP   FQ	MI	FH	4,115,497	09/19/78	Halme et al.			7	
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	GC	4,311,554	01/19/82	Herr	#X 4			
	GD	4,311,621	01/19/82	Nishizawa et al.	1.			
. )	GE	4,328,136	05/04/82	Blount	is a	•		
	GF	4,382,108	05/03/83	Carroll et al.				:
1	GG	4,393,020	07/12/83	Li et al. 😘				:
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	GI	4,481,701	11/13/84	Hewitt	***	8		
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	GL	4,551,294	11/05/85	Wottka et al.	à	A .		:
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	HA	4,597,928	07/01/86	Terentiev et al.			
	B	4,610,900	09/09/86	Nishibori			
. \	H	4,619,097	10/28/86	Trummer et al.			
	HD	4,645,631	02/24/87	Hegenstaller et al.			
	HE	4,659,754	04/21/87	Edwards et al.			
	HF	4,663,225	05/05/87	Farley et al.			
	HG	4,686,251	08/11/87	Ostermann et al.			·
	HH	4,687,793	08/18/87	Motegi et al.			
1	HI	4,716,062	12/29/87	Klein			<del></del>
	. HJ	4,734,236	03/29/88	Davis			. ,
	нк	4,737,532	04/12/88	Fujita et al.	·		
	HL	4,769,109	09/06/88	Tellvik et al.			
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	A	4,790,966	12/13/88	Sandberg et al.					
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	IC	4,820,763	04/11/89	Yang	1				
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	Œ	4,652,218	03/24/87	Tsutsui et al.				;	
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	RL.	4,851,458	07/25/89	Hopperdietzel				<del>\</del>	
	IM	4,865,778	09/12/89	Davis					
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	JB	4,894,192	01/16/90	Warych			
	S	4,915,764	04/10/90	Militi	X		
	JD	4,927,572	05/22/90	van der Hoeven			
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7	JF	4,929,688	05/29/90	Agren et al.			- <del></del>
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my	JH	4,860,548	10/02/90	Ikeda et al.	1		
· -	· J1	4,968,463	11/06/90	Levasseur			
	7	4,973,440	11/27/90	Tamura et al.		1.5	
	JK	4,978,489	12/18/90	Radvan et al.	1	1 1	
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	JM	4,988,478	01/29/91	Held	<del>-  </del>	<del>                                     </del>	
	JN	5,002,713		Palardy et al.	<del>                                     </del>		
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	KE	5,057,167	10/15/91	Gersbeck						·.
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7	KI	5,082,605	01/21/92	Brooks et al.					1	
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	KK	5,088,910	02/18/92	Goforth et al.						·
-	KL	5,093,058	03/03/92	Harmon et al.						$\overline{}$
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	LB	5,153,241	10/08/92	Beshay	1			
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	TD.	5,194,461	03/16/93	Bergquist et al.				
	LE	5,272,000	12/21/93	Chenoweth et al.				
	LF	5,276,082	01/04/94	Forry et al.	1.			
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	186	5,532,065	07/02/98	Gübitz et al.			
	MB	5,576,374	11/19/96	Betso et al.			·
	MC	5,593,625	01/14/97	Riebel et al.	1:/		٠.
	MD	5,635,125	06/03/97	Ternes et al.			
	ME	5,654,091	08/05/97	Kiriazis et al.			:
3	MF	4,273,688	06/16/81	Porzel et al.			
	MG	4,303,019	12/01/81	Haataja et al.	<u> </u>	7	: -
1	мн	4,305,901	12/15/81	Prince et al.	<del>                                     </del>	<del>                                     </del>	
-	MI	4,317,765	03/02/82	Gaylord	<del></del>	<del>                                     </del>	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	NA	5,102,922	04/92	Kimura et ai.	•	I I	·
	NB	3,983,295	09/28/76	Murer et al.	$\sqrt{}$		
<u>J·</u>	NC	5,461,839	10/31/95	Beck	<b>N</b> ·		•
	ND	5,391,585	02/21/95	Grohman	1		
	NE	5,486,553	01/23/96	Deaner et al.			
$\overline{}$	NF	5,088,910	02/18/92	Goforth et al.	1		:
HON	NG	5,332,602	07/26/94	Barré et al.			·
	NH	5,406,768	04/18/95	Giuseppe et al.	1		<del> </del>
~	· NI	4,505,869	03/19/85	Nishibori		<del>                                     </del>	
	NJ	4,480,061	10/30/84	Coughlin et al.	1		<del>\</del>
	NK	3,888,810	06/10/75	Shinomura	<del>                                     </del>		
	NL	5,565,056	10/15/96	Lause et al.			
	NM	5,506,031	04/09/96	Spain et al.			<u> </u>
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	ÓA	5,271,699	12/21/93	Barré et al.				٦'
	ОВ	5,224,318	07/06/93	Kemerer				7
	oc	5,422,399	06/06/95	Cozens et al.	· -			1
)	00	5,087,669	02/11/92	Prejean		. \		1
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	ОН	5,585,155	12/17/96	Heikkila et at.	<del>                                     </del>	1		1
	OI	5,441,801	08/15/95	Deaner et al.	1			1
	3	5,539,027	07/23/96	Deaner et al.				∄.
	ОК	5,439,749	08/08/95	Klaseli et al.	<del>                                     </del>	1		1
	OL	5,518,677	05/21/96	Deaner et al.	:		:	1
	OM	5,997,784	12/07/99	Kamoski	<del>                                     </del>			$\mathbf{A}$
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	PA	3,764,642	10/09/73	Boutilier	<del>                                     </del>		
	PB	3,879,505	04/22/75	Boutillier et al.	/		
	PC	3,903,023	09/02/75	Boutillier et al.		<del>                                     </del>	
	PD	3,937,777	02/10/76	Wienand et al.			
	PE	3,978,632	09/07/76	Ansted ·	<del>  \</del>		
	PF	4,028,449	06/07/77	Kaldtani et al.	<del>                                     </del>		
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WICH	PH	4,234,641	11/18/80	Thompson et al.		<del>- /  </del>	<del></del>
-	· PI	4,473,665	09/25/84	Martini-Wedensky et al.		<del>                                     </del>	<del></del>
	ρJ	4,510,201	04/09/85		<del></del>	· · · · ·	<del>\                                    </del>
	PK	4,948,655	08/14/90		1		<del></del>
	PL	4,956,234	09/11/90	Morales			<del></del>
	PM	5,102,922	04/07/92	Kimura et al.			<del></del>
	ĐΝ	5,245,141	09/14/93	Fortez et al.	+		<del></del>
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	QA .	5,300,533	04/05/94	D≨hi et al.	1		• • • • • • • • • • • • • • • • • • • •
	Q8	5,334,622	08/02/94	Bergvist .			
/	ac	5,363,811	11/15/94	Richardson et al.			
	QD	5,406,768	04/18/95	Gluseppe et al.			<u>_</u>
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V-V .	QG	6,054,207	04/25/00	Finley	+	-4	<del></del>
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	AA	5,497,594	3/12/96	GIUSEPPE, et al.	,	† <u>-</u>		┨
	AB	4,185,416	1/29/80	WILMES .	1	1		┪
· \	AC	4,726,147	2/23/88	BESKE, et al.	1	1.		1
	AD.	4,237,664	12/9/80	WILMES	1	1		┨
	Æ	4,693,043	9/15/87	KNAPP	· ·			1
	AF	4,566,831	1/28/86	GROTH	<u> </u>		• . •	1
1190	AG	4,528,788	7/16/85	YACKIW, et al.	†	1 4		1
-102-(	AH	4,154,033	5/15/79	KRUEGER, et al.			<del>\</del>	1
5.5	. AI	5,199,234	4/8/93	GUHL	<u> </u>	<del>   </del>	\ ;:	┨
	AJ	4,976,066	12/11/90	PLUMMER, et al.	<b> </b>	<del>                                     </del>		1
	AK	4,958,469	9/25/90	PLUMMER	<del></del>		<del>  </del>	-
	AL	5,150,963	9/29/92	BOGENHAGEN	<del></del>			1
	AM	5,097,629	3/24/92	GUHL, et al.	· ·		$\overline{}$	1
	AN	5,092,640	3/3/92	PLUMMER			<del></del>	┨
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB	FILING DATE
	AA	5,086,601	2/11/92	GALOWITZ, et al.			
	AB	5,010,708	4/30/91	EVANS, et al.			<del> </del>
· \	AC	4,999,950	3/19/91	BESKE, et at.	<del>                                     </del>		·
	AD.	4,780,998	11/1/88	KNAPP	<del>\                                    </del>		<u> </u>
	AE	5,548,698	8/20/96	SMITH, et al.	<del>  \</del>	<del>                                     </del>	
$\overline{}$	AF	5,205,102	4/27/93	PLUMMER	<del>  \</del>	<del>  </del>	<del></del>
ma	AG	5,217,264	6/8/93	FIER	$\vdash$	<del></del>	
DD	AH	5,301,467	4/12/94	SCHMIDT, et al.	<del> </del>		
,	- AI	5,243,783	9/14/93	SCHMIDT, et al.	-		<del></del>
	AJ	5,435,866	7/25/95	PUPPIN	• • •		<del></del>
	AK	5,406,768	4/18/95	GIUSEPPE, et al.	<del>                                     </del>		<del>\</del>
	AL	5,355,644	10/18/94	GUHL, et al.	<b>_</b>		<del></del>
	AM	5,332,204	7/26/94	PUPPIN			
	AN	5,554,450	8/13/96	SCHMIDT, et al.	<del> </del>		
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	AÃ.	5,491,940	2/20/96	BRUCHU				
	AB	5,486,553	1/23/96	DEANER, et al.	1		•	
	AC	5,467,564	11/21/95	DeKYSER, et al.	<u> </u>	<u> </u>		
	ΑĐ	5,441,801	8/15/95	DEANER, et al.	1		<u>.</u> .	
	AE	5,439,749	8/8/95	KLASELL, et al.	<u>.                                    </u>		·	
	AF	5,205,074	4/27/93	GUHL, et al.				
Mary	AG	5,981,067	11/9/99	SEETHAMRAJU, et al.	•			
TARK T	. AH	5,566,507	10/22/96	SCHMIDT, et al.				
V C	. AI	5,585,155	12/17/96	HEIKKILA, et al.				
`	AJ.	5,584,016	12/10/96	VARGHESE, et al.				•
	AK	5,582,445	12/10/96	OLSEN, et al.	1			
	AL	5,570,292	10/29/98	ABRAHAM, et al.	<u> </u>			
. (	AM	5,773,138	6/30/98	SEETHAMRAJU, et al.				
'	AN	5,740,632	4/21/98	PETERSON, et al.	1			$\angle$
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·	1^	5,695,874	12/9/97	DEANER, et al.				
	AB	5,687,533	11/18/97	BRUCHU	7			
<u> </u>	AC	5,687,519	.11/18/97	BRUCHU				
<u> </u>	AD	5,682,713	11/4/97	WEISS				
	AE	5,666,773	9/16/97	LIBRANDE, et al.				一.
	AF	5,657,579	8/19/97	BRUCHU, et al.			• . •	$\dashv$
	AG	5,623,784	4/29/97	KÜERSTEN, et al.			•	$\dashv$
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	AI.	5,603,585	2/18/97	BRUCHU, et al.			. \ ;:	<b>-</b> 1∷
	AJ	5,555,684	9/17/96	GALOWITZ, et al.	<del>                                     </del>			<b>⊣</b> i
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	AD	5,822,931	10/20/98	GALOWITZ, et al.				
	AE	5,787,657	8/4/98	LIBRANDE, et al.				• .
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	AG	5,775,749	7/7/98	REITHMEYER, et al.				
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AB 6,265,037 7/24/01 GODAVARTI, et al.
AC 6,210,792 B1 4/3/01 SEETHAMRAJU, et al.
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